

**METHOD, APPARATUS AND COMPUTER PROGRAM PRODUCT FOR
IMPLEMENTING LEVEL BIAS FUNCTION FOR BRANCH PREDICTION
CONTROL FOR GENERATING TEST SIMULATION VECTORS**

Abstract of the Disclosure

- 5 A method, apparatus and computer program product are provided for
implementing a level bias function for branch prediction control for
generating test simulation vectors. User selected options are received for a
set of constraints for generating test simulation vectors for branch
conditional instructions. Current resource values for predicting a branch for
10 a branch conditional instruction are read. A branch operand field is
generated to include a set of valid values using the current resource values
and based upon said user selected constraints. The branch operand field
defines conditions under which a branch is taken.